G. H. McFEATERS.

PIPE HANGER.

APPLICATION FILED DEC. 23, 1918.

1,303,347. Patented May 13, 1919.

Fig. 1.

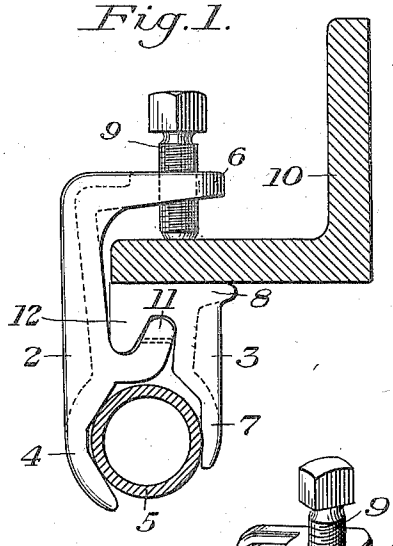


Fig. 2.

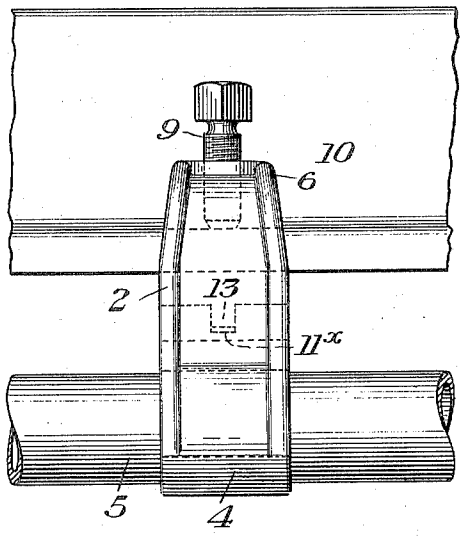


Fig. 3.

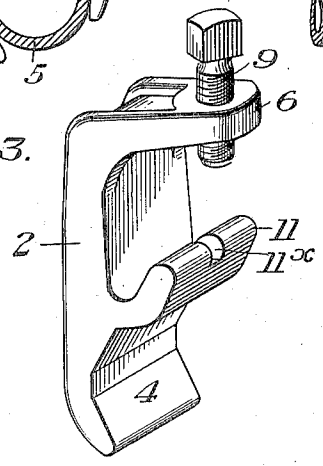


Fig. 4.

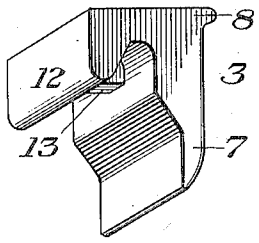


Fig. 5.

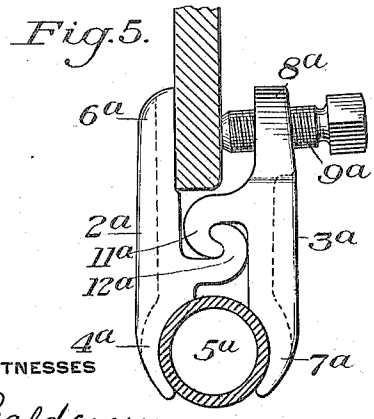
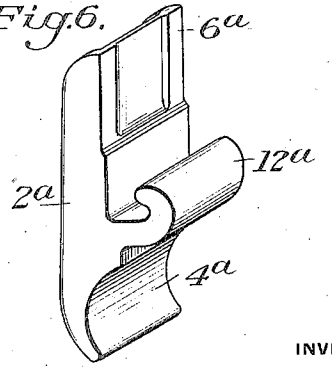


Fig. 6.



WITNESSES

R. A. Balderson

S. B. Blanning

INVENTOR

Geo. H. McFeaters

by Bakewell, Rayner & Campbell,

Attys.

UNITED STATES PATENT OFFICE.

GEORGE H. McFEATERS, OF JOHNSTOWN, PENNSYLVANIA.

PIPE-HANGER.

1,303,347. Specification of Letters Patent. **Patented May 13, 1919.**

Application filed December 23, 1918. Serial No. 267,907.

To all whom it may concern:

Be it known that I, GEORGE H. McFEATERS, a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented a new and useful Improvement in Pipe-Hangers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, in which:

Figure 1 is a sectional elevation and Fig. 2 a plan view illustrating one form of my improved pipe hanger.

Figs. 3 and 4 are perspective views of the members of the hanger detached.

Fig. 5 is a sectional elevation showing a modified form of hanger, and

Fig. 6 is a perspective view of one of the clamping members shown in Fig. 5.

My invention has relation to pipe hangers and is designed to provide a simple and efficient device of this character which is particularly adapted for supporting pipes in mill or factory buildings. My invention provides a device of this character which can be readily and easily applied to and removed from a frame member of a building; which can be manufactured at a relatively low cost; and which is effective in its operation.

Referring first to that form of my invention shown in Figs. 1 to 4, inclusive, the numerals 2 and 3 designate the two members of which my improved hanger is composed. The member 2 has at one end portion a jaw 4 formed with a concaved inner face of angular form to grasp a pipe 5 to be supported; and at its opposite end is bent at substantially right angles to form the jaw 6. The member 3 has a jaw portion 7 opposite to the jaw portion 4 formed with a straight inner face; and its opposite end forms a transverse jaw portion 8 which is substantially parallel to the jaw 6. 9 is a clamping screw which is seated in the jaw 6 and which is adapted to bite against the flange of a support 10. The jaws 4 and 7 have a three-point clamping bearing on the pipe.

The inner face of the member 2 is provided with a hook 11 which is engaged by a projection 12 formed on the jaw portion 8 of the member 3. This hook and projection engage each other in such a manner as to permit of a rocking or pivotal movement of the two members with respect to each other; and this engagement is so arranged that when the clamping screw 9 is tightened it not only secures the hanger to the support but it also rocks the jaw 4 to clamp the two members firmly upon the pipe 5, as will be readily seen. To prevent lateral separation of the two members, the hook projection 11 may be formed with a recess 11^x engaged by a projection 13 on the other member 3.

In Figs. 5 and 6 I have shown a modified form of my invention in which the two sets of jaws 4^a and 7^a, and 6^a and 8^a, instead of being in planes at right angles to each other, are in the same direction. They are also shown as having concave clamping faces. In this form, the two members 2^a and 3^a are formed with interfitting complementary hook projections 11^a and 12^a which permit of a pivotal or rocking movement, and whereby when the clamping screw 9^a, seated in the jaw portion 8^a, is tightened, it will securely clamp the pipe 5^a.

The advantages of my invention will be apparent to those familiar with devices of this character, since it provides a simple and efficient form of clamp in which a single clamping screw acts to secure the hanger to a support and also to clamp it in engagement with the pipe to be supported. The devices can be quickly applied to and removed from a supporting beam extending in any desired direction, either vertically, horizontally or obliquely.

I claim:

1. A pipe hanger comprising two members which together form a pair of support-engaging jaws and also a pair of pipe-engaging jaws, said jaws having interfitting hook projections, substantially as described.

2. A pipe hanger comprising two members which together form a pair of support-engaging jaws and also a pair of pipe-engaging jaws, said jaws having interfitting hook projections, together with a single clamping device for both pairs of jaws, substantially as described.

3. A pipe hanger, comprising two members which together form a pair of support engaging jaws and also a pair of pipe engaging jaws, one pair of jaws extending at right angles to the other pair of jaws, said jaws having pivotal connections, substantially as described.

4. A pipe hanger, comprising two members which together form a pair of support engaging jaws and also a pair of pipe engaging jaws, said jaws having pivotal connections, and interlocking members on said

jaws for preventing lateral movement of the one with relation to the other, substantially as described.

5. A pipe hanger, comprising two members which together form a pair of support engaging jaws and also a pair of pipe engaging jaws, the one set of jaws extending approximately at right angles to the other set of jaws, said jaws having pivotal connections, interlocking members on said jaw members for preventing lateral movement of the one with relation to the other, together with a single clamping device for both pairs of jaws, substantially as described.

In testimony whereof I have hereunto set my hand.

GEORGE H. McFEATERS.